



20180222BB

Anti-Mouse Complement C5a (#7L11)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M348
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Complement C5a.

Target Background

Synonyms (Target):	C5AR1; C5A; C5AR; C5R1; CD88
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Human complement 5a (C5a) is an enzymatically generated glycoprotein that belongs to a family of structurally and functionally related proteins known as anaphylatoxins. C5a is a 74 amino acid (aa) peptide that is created by the activity of C5a convertase on the C5 alpha-chain. Human C5a has four alpha-helices plus three intrachain disulfide bonds that create a triple loop structure.

Database References Target

Protein RefSeq:	NP_001726.2
Uniprot ID:	P01031
mRNA RefSeq:	NM_001735.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#7L11)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	Mouse recombinant protein Complement C5a
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse Complement C5a with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N, IHC

Recommended usage:

WB: 1:500-1000

Neutralization: Yes

IHC (Paraffin): 1:100-200

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Handling/Applications

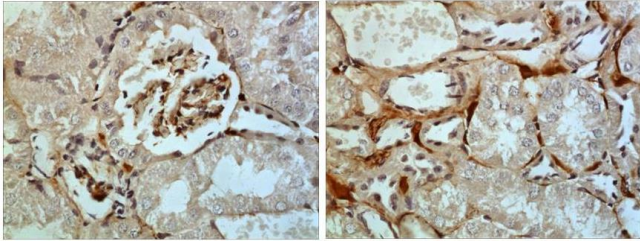


Fig. 1: The Kidney tissue samples from the Folic Acid-induced kidney injury model were fixed using 4% PFA at 4°C for overnight and embedded in paraffin. A 4 µm section was subjected to IHC (1:100-200).
Antigen retrieval: PK (10 µg/ml)